### CAD/PAD Health Assessment

<table>
<thead>
<tr>
<th>DODICs with Trace Data</th>
<th>No SLEs</th>
<th>Params applied</th>
<th>No SLEs</th>
<th>Params applied</th>
<th>Production Risk</th>
<th>Technical Risk</th>
<th>Overall Risk</th>
<th>OA Scheduled</th>
<th>Next Est. Delivery Date</th>
<th>TMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>JL55</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>3-6 Months</td>
<td>0-1 Months</td>
<td>No Risk</td>
<td>FY18</td>
<td>7/31/2018</td>
<td>T-38C, T-6A, T-6B, T-6D</td>
</tr>
<tr>
<td>JL62</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>3-6 Months</td>
<td>1-3 Months</td>
<td>No Risk</td>
<td>FY18</td>
<td>8/31/2018</td>
<td>T-38C, T-6A, T-6B, T-6D</td>
</tr>
<tr>
<td>JL65</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>6+ Months</td>
<td>0-1 Months</td>
<td>No Risk</td>
<td>FY20</td>
<td>8/31/2018</td>
<td>T-38C, T-6A, T-6B, T-6D</td>
</tr>
<tr>
<td>JN06</td>
<td>Green</td>
<td>Green</td>
<td>Red</td>
<td>Red</td>
<td>3-6 Months</td>
<td>0-1 Months</td>
<td>Med. Risk</td>
<td>FY19</td>
<td>8/31/2018</td>
<td>T-38C</td>
</tr>
<tr>
<td>JN08</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>6+ Months</td>
<td>0-1 Months</td>
<td>Critical</td>
<td>FY20</td>
<td>8/31/2018</td>
<td>T-38C, T-38N</td>
</tr>
<tr>
<td>JN11</td>
<td>Yellow</td>
<td>Yellow</td>
<td>Red</td>
<td>Red</td>
<td>6+ Months</td>
<td>0-1 Months</td>
<td>High Risk</td>
<td>FY20</td>
<td>8/31/2018</td>
<td>T-38C</td>
</tr>
<tr>
<td>JN26</td>
<td>Yellow</td>
<td>Yellow</td>
<td>Red</td>
<td>Red</td>
<td>6+ Months</td>
<td>0-1 Months</td>
<td>Med. Risk</td>
<td>FY20</td>
<td>7/30/2018</td>
<td>T-38C, T-6A, T-6B, T-6D</td>
</tr>
<tr>
<td>JN29</td>
<td>Yellow</td>
<td>Yellow</td>
<td>Red</td>
<td>Red</td>
<td>6+ Months</td>
<td>1-3 Months</td>
<td>Med. Risk</td>
<td>FY20</td>
<td>7/31/2018</td>
<td>T-38C</td>
</tr>
<tr>
<td>M897</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>6+ Months</td>
<td>0-1 Months</td>
<td>Critical</td>
<td>FY19</td>
<td>10/2/2018</td>
<td>F-5E, F-5F, F-5N, T-38C, T-38N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DoDIC</th>
<th>Name</th>
<th>Issue</th>
<th>Current Mitigation</th>
<th>Get Well Date</th>
<th>Future Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>JN08</td>
<td>Impulse Cartridge CCU-164/A</td>
<td><strong>Propellant performance</strong>&lt;br&gt;- Poor propellant performance</td>
<td>- Contractor submitted a FAR and the lot was accepted on waiver&lt;br&gt;- Service Life Extensions</td>
<td>Mar 2019</td>
<td>Contractor working on new propellant that doesn’t have the same issues</td>
</tr>
<tr>
<td>JN10</td>
<td>Cartridge Actuated Initiator JAU-85/A</td>
<td><strong>Small Column Insulated Delay (SCID)</strong>&lt;br&gt;- Production line at capacity&lt;br&gt;- Production line having difficulty supporting all requirements for multiple platforms&lt;br&gt;- Multiple SCID items competing for priority</td>
<td>- SLEs&lt;br&gt;- Work with PSEM to ensure F-18, T-6, T-38 SCID time delay deliveries are prioritized based on aircraft need date</td>
<td>Aug 2018</td>
<td>- Ensure future contracts have PSEM as end-item assembler&lt;br&gt;- Digital In-line Timer (DIT)</td>
</tr>
<tr>
<td>M897</td>
<td>Thruster, Cartridge Actuated</td>
<td><strong>Primer dusting</strong>&lt;br&gt;- Primers had a dusting issue which delayed release of manufactured units</td>
<td>- SLEs&lt;br&gt;- Process waiver to release lot</td>
<td>Oct 2018</td>
<td>Correct primer production to eliminate dusting</td>
</tr>
<tr>
<td>JN11</td>
<td>Cartridge Actuated Initiator JAU-83/A</td>
<td><strong>Small Column Insulated Delay (SCID)</strong>&lt;br&gt;- Production line at capacity&lt;br&gt;- Production line having difficulty supporting all requirements for multiple platforms&lt;br&gt;- Multiple SCID items competing for priority</td>
<td>- SLEs&lt;br&gt;- Work with Contractor to ensure F-18, T-6, T-38 SCID time delay deliveries are prioritized based on aircraft need date</td>
<td>Aug 2018</td>
<td>- Monitor SCID deliveries&lt;br&gt;- Digital In-line Timer (DIT)</td>
</tr>
</tbody>
</table>
**JN08 (CCU-164/A Impulse Cartridge)**

**As of 2 May 2018**

### Project Overview / Summary

**Production:**
- Future procurements of the JN08 are on contract through the Air Force IDIQ.
- Three lots of JN08 units have failed LAT on the Air Force IDIQ due to poor propellant performance.
- All three lots of JN08 were accepted on waiver.
- JN08 production is ongoing at contractor with the improved propellant.

**Service Life Extensions (SLE):**
- 12 months installed extension granted in the past. 12 months shelf life extension likely.

**Future Ordnance Assessment (OA):**
- Next OA planned for July 2018

**Fixture Procurement:**
- Fixture purchased from contractor, July 2018 and onward testing will be conducted at NSWC IHEODTD

### Current Status / Actions / Risks

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Baseline</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA821316D0002</td>
<td>Jul 2018</td>
<td>Mar 2019</td>
</tr>
<tr>
<td>FA821317F2000</td>
<td>Sep 2018</td>
<td>May 2019</td>
</tr>
</tbody>
</table>

**Likelihood**
- P: Expected units
- O: Operating units
- S: Stock units

**Consequence**
- 1: Deliveries/Stock
- 2: Production
- 3: Distribution

**Help Needed**

**Production:**
- If deliveries are delayed to Nov 2019, SLE coordination with program office will be required to keep aircraft operational.

**Ordnance Assessment:**
- Testing may not be acceptable on new test fixture, which would limit relevant data and extension potential.
- Mitigation: Investigate using like item data to support extensions.

**SLE:**
- If extensions beyond 60 months installed are not acceptable to the program office, aircraft would be grounded starting Nov 2019.
JN10 (JAU-85/A Cartridge Actuated Initiator)  
Shelf Life 84 / Installed Life 48  
As of 2 May 2018

**Project Overview / Summary**

**Production:**
- Contractor produces nine different time delays on one resource-constrained time delay production line
- T-38 time delays, JN10-12, fight for priority against all SCID time delays for F-18, T-6, T-38, and U-2 platforms

**Service Life Extensions (SLE):**
- JN10 shows rapidly degrading performance, limited extensions possible

**Future Ordnance Assessment (OA):**
- Last tested in 2017, test data is being assessed
- Next test scheduled 2020

**Alternate Technology:**
- Could potentially be replaced by a Digital Inline Timer (DIT)
  - Would likely follow F-18 and T-6 implementations

**Help Needed**
- Request assistance in returning units to NSWC IHEODTD for OA testing

**Current Status / Actions / Risks**

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Consequence</th>
<th>Milestone</th>
<th>Baseline</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
<td>18F2000</td>
<td>Dec 2017</td>
<td>Aug 2018</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>17F2000</td>
<td>Feb 2017</td>
<td>Aug 2018</td>
</tr>
<tr>
<td>3</td>
<td>P1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>P2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Production:**
- (P1) If other platforms deliveries take priority, JN10 delivery may be delayed necessitating SLEs
- (P2) If there are significant delays due to international shipping, SLEs may be required to keep aircraft operational

**Inventory/E-Stock:**
- If an in-service lot has a no-fire, then aircraft would be grounded due to lack of inventory

**Future (O)A:**
- If sufficient material is not returned for OA testing, the actual performance of the in-service material may not be known
Production:
- Primer dusting was found during X-ray review.
- Primer dusting assessment showed low risk due to previous dusting found on fleet returns and successful testing
- Subcomponent has an approved waiver and was released to be incorporated in the M897 on 12 Apr 2018

Service Life Extensions (SLE):
- No installed time data available
- Total shelf life analysis shows positive performance for some time
- RA will be initiated Jul 2018

Future Ordnance Assessment (OA):
- Planned for 2019, but will depend on asset availability

Help Needed:
- Assist in getting installed units returned for OA testing

Milestone Baseline Current
M897-N-3126 Dec 2016 Oct 2018
M897-N-4069 Oct 2018 Oct 2018

Production:
- If primer dusting issue persists in future lots, additional analysis and paperwork would be required to release lot, slipping deliveries to the right
  - Mitigation: Correct manufacturing processes to eliminate dusting
  - Mitigation: Investigate acceptability of dusting and change requirements if acceptable

Inventory/E-Stock:
- If an installed unit is damaged, aircraft would be grounded until new material is produced
  - Mitigation: Prepare Replacement In Kind (RIK) request for emergency stock

SLE:
- If additional extensions are required, lack of install time data may prevent extensions

Future (OA):
- If units are not returned for OA testing, no OA test will be conducted
**Project Overview / Summary**

**Production:**
- Contractor produces nine different time delays on one resource-constrained time delay production line
- T-38 time delays, JN10-12, fight for priority against all SCID time delays for F-18, T-6, T-38, and U-2 platforms

**Service Life Extensions (SLE):**
- JN10 shows rapidly degrading performance, limited extensions possible

**Future Ordnance Assessment (OA):**
- Last tested in 2017, test data is being assessed
- Next test scheduled 2020

**Alternate Technology:**
- Could potentially be replaced by a Digital Inline Timer (DIT)
- Would likely follow F-18 and T-6 implementations

---

**Current Status / Actions / Risks**

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Baseline</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>18F2000</td>
<td>Dec 2017</td>
<td>Aug 2018</td>
</tr>
<tr>
<td>PR EAD</td>
<td>Dec 2018</td>
<td>Feb 2020</td>
</tr>
</tbody>
</table>

**Likelihood:**
- 5: Expirable Units
- 4: Requires IPA extension 59 months
- 3: Operating on extension 59 months
- 2: Operating Normal
- 1: Undetermined

**Consequence:**
- 1: Deliveries/Stock
- 2: Production
- 3: Service Life Extensions (SLE)
- 4: Future Ordnance Assessment (OA)
- 5: Help Needed

**Production:**
- (P1) If other platforms deliveries take priority, JN11 delivery may be delayed beyond April 2019 necessitating SLEs
- (P2) If there are significant delays due to international shipping, SLEs may be required to keep aircraft operational

**Inventory/E-Stock:**
- If an in-service lot has a no-fire, then aircraft would be grounded due to lack of inventory

**Future (OA):**
- If sufficient material is not returned for OA testing, the actual performance of the in-service material may not be known

---

**USAF, USN T-38C**

**JN11 (JAU-83/A Cartridge Actuated Initiator)**

**Shelf Life 84 / Installed Life 48**

**As of 2 May 2018**